



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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1.8V CMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



ASFL3

5.0 x 3.2 x 1.6 mm



ASFL3

FEATURES:

- Tri-state function
- Suitable for high density SMT
- Available tight stability option, +/-20ppm
- Seam sealed package assures high reliability
- Suitable for RoHS reflow

APPLICATIONS:

- CCD clock for VTR camera
- Equipment connected to PC or PC cards
- Thin equipment
- Wireless communication

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ASFL3 Series
Frequency:	0.5 MHz to 125 MHz
Operating temperature:	-10°C to +70°C (see option)
Storage temperature:	- 55°C to + 125°C
Overall Frequency Stability:	±100 ppm max. (see option)
Supply voltage (Vdd):	1.8 Vdc ± 10%
Supply Current (Idd):	See table below
Symmetry at 1/2 Vdd:	40/60% max. (see option)
Rise and Fall Times(Tr/Tf):	See table below
Output load:	15pF max.*
Output Voltage:	VOH = 0.9*Vdd min., VOL = 0.1*Vdd max.
Tri-state Function:	"1" or open;: Oscillation; VIH > 0.7*Vdd, "0": Output disabled (HI-Z); VIL < 0.3*Vdd
Start-up-time:	See table below
Aging (First year):	±3 ppm max. @25°C
Period Jitter:	See table below

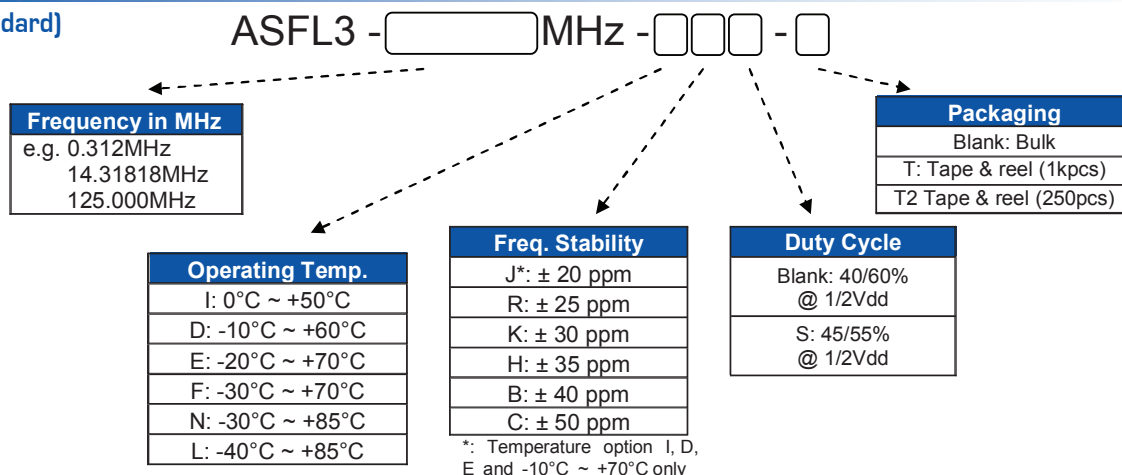
Table:

* 30pF max is available. Please contact ABRACON.

Frequency range (MHz)	Idd mA (Typ)	Idd mA (Max)	Tr/Tf ns (Typ)	Tr/Tf ns (max)	Start-up time ms (Typ)	Start-up time ms (Max)	Period Jitter RMS ps (Typ)	Period Jitter RMS ps (Max)
0.5~9.999	2	5	5	10	3	5	2	3
10.000~29.999	5	8	3	6	3	5	2	3
30.000~49.999	8	10	3	6	3	5	2	3
50.000~69.999	5	10	2	5	3	5	2	3
70.000~99.999	8	15	2	5	4	10	2	3
100.000~125.000	12	20	2	4	4	10	2	3

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



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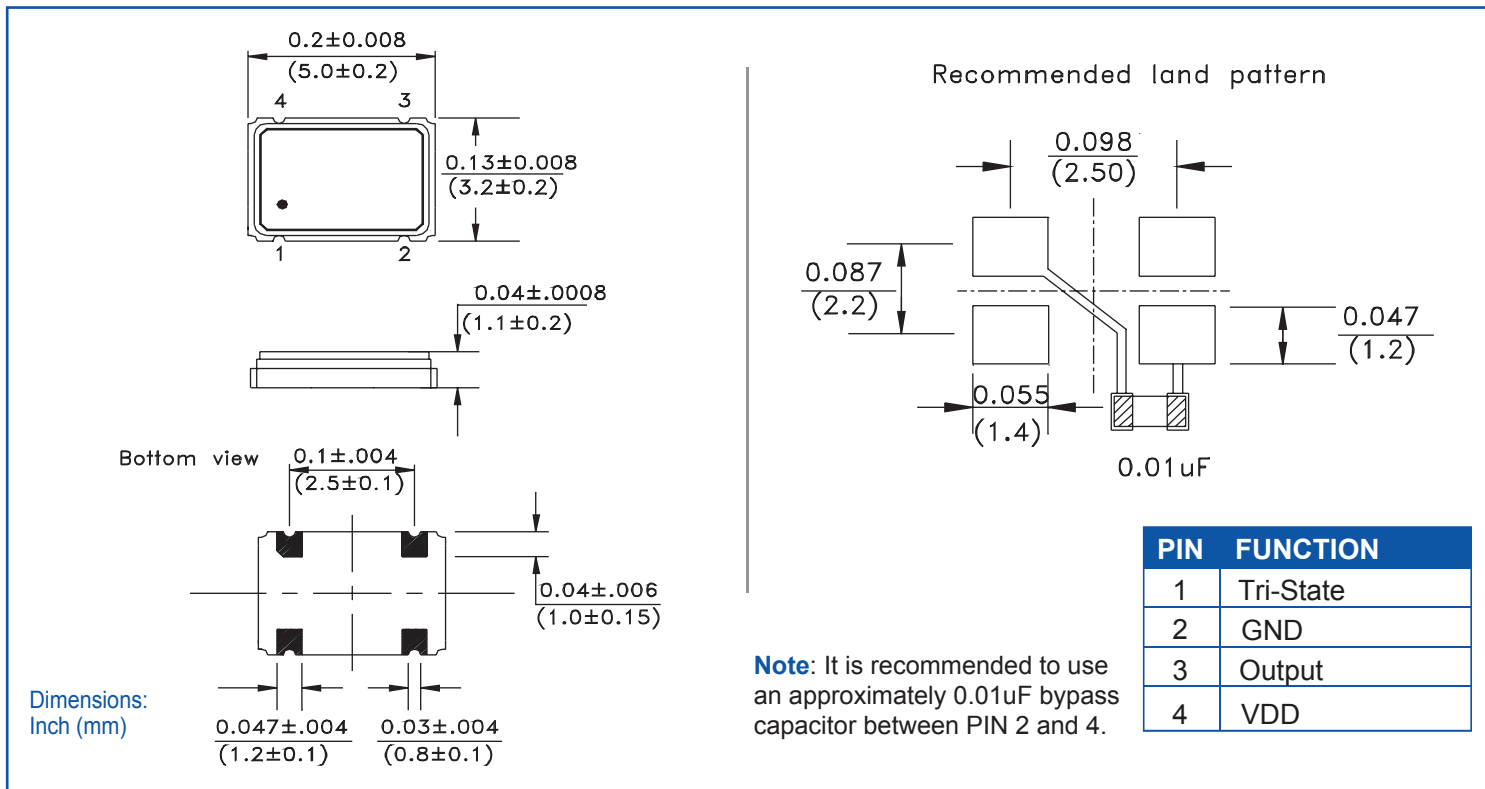


5.0 x 3.2 x 1.6 mm

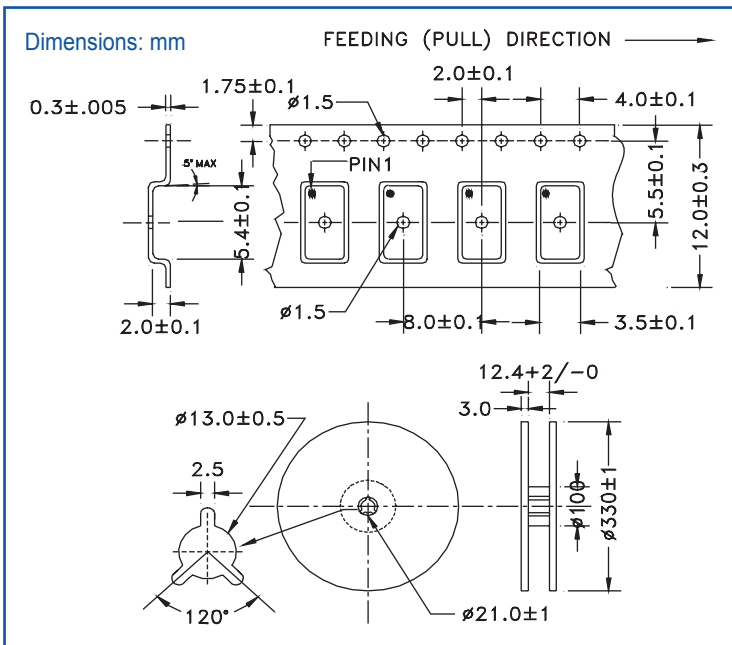
ASFL3



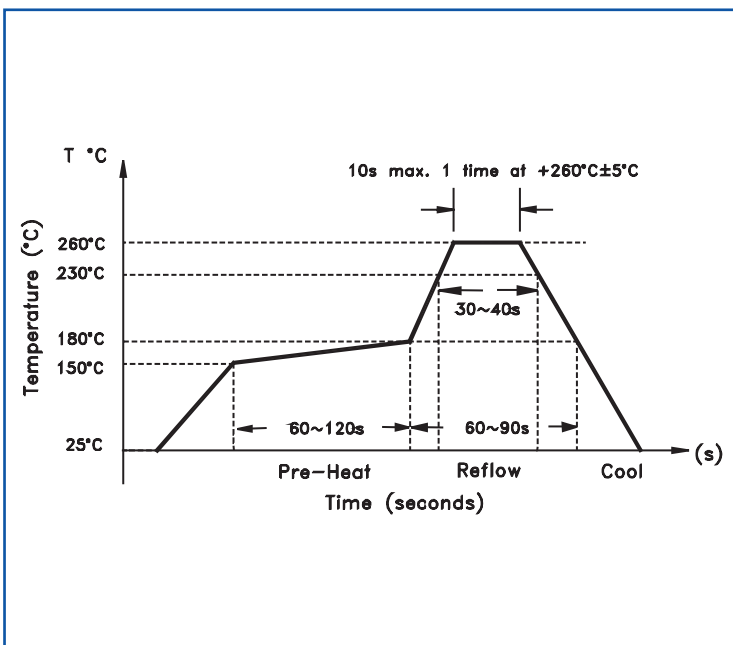
OUTLINE DRAWING:



TAPE & REEL: Tape and reel 1,000pcs/reel



REFLOW PROFILE:



Need a test socket for the ASFL3 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#).

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